National Transportation Safety Board NTSB ID: ANCOOLA033 Aircraft Registration Number: N407GV FACTUAL REPORT Occurrence Date: 03/04/2000 Most Critical Injury: None Occurrence Type: Accident Investigated By: NTSB ETYBO Location/Time Nearest City/Place State Zip Code Local Time Time Zone **HOLY CROSS** 99602 1230 AST ΑK Distance From Landing Facility: Direction From Airport: Airport Proximity: Off Airport/Airstrip Aircraft Information Summary Aircraft Manufacturer Model/Series Type of Aircraft Cessna 208B Airplane Sightseeing Flight: No Air Medical Transport Flight: No

Narrative

Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:

On March 4, 2000, about 1230 Alaska standard time, a wheel equipped Cessna 208B airplane, N407GV, sustained substantial damage during cruise flight between Holy Cross, Alaska, and Aniak, Alaska. The location of the occurrence was about 18 miles south of Holy Cross, about latitude 61 degrees, 54 minutes north, and longitude 159 degrees, 40 minutes west. The airplane was being operated as a visual flight rules (VFR) scheduled flight under Title 14, CFR Part 135, when the accident occurred. The airplane was operated as Flight 2602 by Hageland Aviation Services Inc., Anchorage, Alaska. The commercial certificated pilot, the sole occupant, was not injured. Visual meteorological conditions prevailed. VFR company flight following procedures were in effect. The flight originated at the Holy Cross airport, about 1215.

During a telephone conversation with the National Transportation Safety Board (NTSB) investigator-in-charge (IIC), on March 6, 2000, the director of operations for the company reported the flight was carrying U.S. mail. The pilot was in cruise flight when he heard a bang. After landing at Aniak, damage was discovered to the horizontal stabilizer. The left mud flap, normally positioned at the aft side of the main landing gear tire, was missing. The horizontal stabilizer was dented, and had damage to the auxiliary spar.

National Transportation Safety Board
FACTUAL REPORT
AVIATION

NTSB ID: ANCOOLA033

Occurrence Date: 03/04/2000

Airport Name	AVIATION		Occur	rence Type	e: Accident								
Airport Name	Landing Facility/Approach Inf	ormation											
Ft. MSL 0	0 ,	Airport ID:	Airport Eleva	tion	on Runway Used F			Runway Length		Runv	vay Width		
Runway Surface Condition:				·				•		, ,			Í
Runway Surface Condition:													
Type Instrument Approach: NONE VFR Approach/Landing: None Aircraft Information Aircraft Manufacturer Cessna Certified Max Gross Wt. Certified Max Gross Wt. Cessna Model/Series: P16-114A Model/Series: Ces Hated Power Ces Hated Operation Aliframe Total Time AlaIP Aliframe Total Time AlaIP Aliframe Total Time 3800 Hours - Emergency Locator Transmitter (ELT) Information ELT Insalled? Yes ELT Aided in Locating Accident Site? City Anchorage City Anchorage A													
Aircraft Information Aircraft Manufacturer Cessna Model/Series 208B 208Bo61s	Runway Surface Condition:												
Aircraft Information Aircraft Manufacturer Cessna Model/Series 208B 208Bo616													
Aircraft Information	Type Instrument Approach: NONE												
Aircraft Information	VED Assessed to a diam. None												
Aircraft Manufacturer Cessna Airworthiness Certificate(s): Normal Landling Gear Type: Tricycle Homebuilt Aircraft? No Number of Seats: 2 Certified Max Gross Wt. Engine Manufacturer: P8W Engine Manufacturer: P8W Date of Last Inspection Information Type of Last Inspection Information Type of Last Inspection Information Type of Last Inspection Information ELT Operator Of Pore Information Street Address Same as Reg'd Aircraft Owner Operator Does Business As: Type of U.S. Certificate(s): Commuter Air Carrier; On-demand Air Taxi Model/Series: P76-114A 8750 LBS Number of Engines: 1 Rated Power: P60 HP Alord Last Inspection Time Since Last Inspection Airfame Total Time 3800 Hours Street Address P.O. BOX 220610 City ANCHORAGE Street Address Same as Reg'd Aircraft Owner City Operator Designator Code: EPUA Operator Operator Designator Code: EPUA Operator Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operator Certificate: Operator Certificate:	VFR Approach/Landing: None												
Aircraft Manufacturer Cessna Airworthiness Certificate(s): Normal Landling Gear Type: Tricycle Homebuilt Aircraft? No Number of Seats: 2 Certified Max Gross Wt. Engine Type: Turbo Prop Aircraft Inspection Information Type of Last Inspection Information Type of Last Inspection Information Type of Last Inspection AAIP Date of Last Inspection O3/14/2000 Time Since Last Inspection Airframe Total Time 3800 Hours BLT Aided in Locating Accident Site? City ANCHORAGE Operator Of Aircraft Same as Reg'd Aircraft Owner Operator Does Business As: Operator Designator Code: EPUA Operator Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operating Certificate: Operator Gertificate: Operator Certificates	Aircraft Information												
Airworthiness Certificate(s): Normal Landing Gear Type: Tricycle Homebuilt Aircraft? No Number of Seats: 2 Certified Max Gross Wt. 8750 LBS Number of Engines: 1 Engine Type: P&W PT6-114A Rodel/Series: PT6-114A Rodel/Series: PE60 HP - Aircraft Inspection Information Type of Last Inspection				Mode	el/Series					Serial	l Number		
Landing Gear Type: Tricycle Homebuilt Aircraft? No Number of Seats: 2 Certified Max Gross Wt. 8750 LBS Number of Engines: 1 Engine Type: Turbo Prop Engine Manufacturer: P8W Model/Series: P76-114A Rated Power: 650 HP - Aircraft Inspection Information Date of Last Inspection 03/14/2000 Time Since Last Inspection Inspection 102 Hours Airfframe Total Time 3800 Hours - Emergency Locator Transmitter (ELT) Information ELT Operated? No ELT Aided in Locating Accident Site? Ett Installed? Yes ELT Operated? No ELT Aided in Locating Accident Site? Owner/Operator Information Registered Aircraft Owner Street Address P.O. BOX 220610 City ANCHORAGE State Zip Code AK 99522 Operator of Aircraft Owner Same as Reg'd Aircraft Owner State Zip Code AK 99522 City State Zip Code EPUA Operator Designator Code: EPUA Type of U.S. Certificate(s) Held: Air Carrier Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operator Certificate:	Cessna			2081	В					208B	30616		
Landing Gear Type: Tricycle Homebuilt Aircraft? No Number of Seats: 2 Certified Max Gross Wt. 8750 LBS Number of Engines: 1 Engine Type: P8W PT6-114A For Intro Prop P8W PT6-114A Airframe Total Time AAIP Date of Last Inspection AAIP Date of Last Inspection O3/14/2000 102 Hours 3800 Hours - Emergency Locator Transmitter (ELT) Information ELT Installed? Yes ELT Operated? No ELT Operated? No City ANCHORAGE Same as Reg'd Aircraft Owner Same as Reg'd Aircraft Owner City Operator Designator Code: EPUA Operator Gertificate(s): Commuter Air Carrier; On-demand Air Taxi Operator Gertificate: Operator Gertificate: Operator Certificate:	Airworthiness Certificate(s): Norma	 al											
Number of Seats: 2 Certified Max Gross Wt. 8750 LBS Number of Engines: 1	A STATE OF THE PROPERTY OF THE												
Engine Type: Turbo Prop P8W P76-114A Rated Power: Turbo Prop P8W P76-114A Rated Power: Turbo Prop P6W P76-114A Rated Power: P8W P76-114A Rated Power: P650 HP P76-114A Rated Power: P76-114A Rated Power	Landing Gear Type: Tricycle												
Turbo Prop P&W PT6-114A 650 HP - Aircraft Inspection Information Type of Last Inspection AAIP Date of Last Inspection o3/14/2000 Date of Last Inspection o3/14/2000 Time Since Last Inspection AIrframe Total Time 3800 Hours - Emergency Locator Transmitter (ELT) Information ELT Installed? Yes ELT Operated? No ELT Aided in Locating Accident Site? Owner/Operator Information Registered Aircraft Owner HAGELAND AVIATION SERVICES INC Operator of Aircraft Same as Reg'd Aircraft Owner City ANCHORAGE Street Address Same as Reg'd Aircraft Owner City Operator Does Business As: Operator Does Business As: Operator Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operator Certificate:	Homebuilt Aircraft? No	Certifi	ed Max Gross V	8750 LBS Numbe			er of En	gines	: 1				
Date of Last Inspection AAIP Date of Last Inspection 03/14/2000 Time Since Last Inspection 102 Hours Airframe Total Time 3800 Hours - Emergency Locator Transmitter (ELT) Information ELT Installed? Yes ELT Operated? No ELT Aided in Locating Accident Site? Owner/Operator Information Registered Aircraft Owner HAGELAND AVIATION SERVICES INC City ANCHORAGE Street Address P.O. BOX 220610 City ANCHORAGE Street Address Same as Reg'd Aircraft Owner City City ANCHORAGE Street Address Same as Reg'd Aircraft Owner City Operator Does Business As: Operator Does Business As: Operator Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operating Certificate: Operator Certificate: Operator Certificate:													
AAIP O3/14/2000 102 Hours 3800 Hours - Emergency Locator Transmitter (ELT) Information ELT Installed? Yes ELT Operated? No ELT Aided in Locating Accident Site? Owner/Operator Information Registered Aircraft Owner HAGELAND AVIATION SERVICES INC City ANCHORAGE Operator of Aircraft Same as Reg'd Aircraft Owner City State Address Same as Reg'd Aircraft Owner City Operator Does Business As: Operator Does Business As: Operator Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operator Certificate: Operator Certificate: Operator Certificate:	- Aircraft Inspection Information							<u>'</u>					
- Emergency Locator Transmitter (ELT) Information ELT Installed? Yes	Type of Last Inspection			Date of Last Inspection Time Si			nce Last Insp	Airfrar	ne To	tal Time			
ELT Installed? Yes	AAIP			03/14/2000			102 Hours				3800 Hours		
Owner/Operator Information Registered Aircraft Owner HAGELAND AVIATION SERVICES INC City ANCHORAGE Operator of Aircraft Same as Reg'd Aircraft Owner City Street Address Same as Reg'd Aircraft Owner City Operator Does Business As: Type of U.S. Certificate(s) Held: Air Carrier Operating Certificate: Operator Certificate: Operator Certificate: Operator Certificate:	- Emergency Locator Transmitter (ELT) Information												
Registered Aircraft Owner HAGELAND AVIATION SERVICES INC City ANCHORAGE Operator of Aircraft Same as Reg'd Aircraft Owner City Same as Reg'd Aircraft Owner City Operator Does Business As: Operator Does Business As: Operator Operator Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operator Certificate: Operator Certificate:	ELT Installed? Yes	ELT Operat	ed? No		ELT Aided in Locating Accident Site?								
P.O. BOX 220610 City ANCHORAGE State Zip Code AK 99522 Operator of Aircraft Owner City Same as Reg'd Aircraft Owner City Same as Reg'd Aircraft Owner Operator Does Business As: Operator Designator Code: EPUA - Type of U.S. Certificate(s) Held: Air Carrier Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operator Certificate: Operator Designator Code: EPUA	Owner/Operator Information												
ANCHORAGE Operator of Aircraft Same as Reg'd Aircraft Owner Operator Does Business As: - Type of U.S. Certificate(s) Held: Air Carrier Operating Certificate: Operator Services INC City Street Address Same as Reg'd Aircraft Owner City Operator Designator Code: EPUA - Type of U.S. Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operator Certificate: Operator Certificate:	Registered Aircraft Owner			Street									
ANCHORAGE ANCHORAGE AK 99522 Street Address Same as Reg'd Aircraft Owner City Operator Does Business As: - Type of U.S. Certificate(s) Held: Air Carrier Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operator Certificate: Operator Certificate:	HAGELAND AVIATION SERVI	CES INC			P.O. BO	X 220	0610				Ι		
Operator of Aircraft Same as Reg'd Aircraft Owner City Operator Does Business As: - Type of U.S. Certificate(s) Held: Air Carrier Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operator Certificate: Operator Certificate: Operator Certificate:	TIAGELAND AVIATION SERV									e			
Same as Reg'd Aircraft Owner City Operator Does Business As: - Type of U.S. Certificate(s) Held: Air Carrier Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operator Certificate: Operator Designator Code: EPUA - Operator Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operator Certificate:											-		
Operator Does Business As: Operator Designator Code: EPUA - Type of U.S. Certificate(s) Held: Air Carrier Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operator Designator Code: EPUA Operator Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operator Certificate:													
- Type of U.S. Certificate(s) Held: Air Carrier Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operating Certificate: Operator Certificate:	Same as Reg'd Aircraft Owner				City						Stat	e	Zip Code
- Type of U.S. Certificate(s) Held: Air Carrier Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operating Certificate: Operator Certificate:	Operator Does Business As:		Operator Designator Code: EPUA										
Air Carrier Operating Certificate(s): Commuter Air Carrier; On-demand Air Taxi Operating Certificate: Operator Certificate:	·												
Operating Certificate: Operator Certificate:		Commuter Air C	arrier; C	n-deman	nd Air Taxi								
1 1													
Regulation Flight Conducted Under: Part 135: Air Taxi & Commuter	Operating Certificate:				Operator (Certific	cate:						
	Regulation Flight Conducted Under	: Part 135: Air Ta	axi & Co	mmuter									
Type of Flight Operation Conducted: Unknown	Type of Flight Operation Conducted	: Unknown											
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National Transportation Safety Board
FACTUAL REPORT
AVIATION

NTSB ID: ANCOOLA033

Occurrence Date: 03/04/2000

AVIATI	QŃ	Occurrence Type: Accident												
First Pilot Information														
Name	City					State	Da	te of Birth	Age					
On File	On File	:	On File On File						44					
Sex: M Seat Occupied: Left Principal Profession: Civilian Pilot Certificate Number: On File														
Certificate(s): Com	mercial	·							•					
Airplane Rating(s): Multi-engine Land; Single-engine Land														
Rotorcraft/Glider/LTA: Helic	copter													
Instrument Rating(s): Airplane														
Instructor Rating(s): None														
Type Rating/Endorsement for Accident/Incident Aircraft? Current Biennial Flight Review?														
Medical Cert.: Class 1 Medical Cert. Status: Valid Medicalw/ waivers/lim. Date of Last Medical Exam: 08/09/1999										99				
•														
- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Mult-Engine	Night		I Actual	nstrument	Simulated	Rotorcraft Glider Lighter ed Than Air				
Total Time	5600	700	4600	1000	;	500	2	45	80					
Pilot In Command(PIC)						$ \bot $		_						
Instructor						\dashv		_						
Last 90 Days	262					\dashv		-		-				
Last 30 Days Last 24 Hours	176					\dashv		+		+				
	Shou	lder Harness	Head? Vac		<u>. </u>	oxico	ology Per	forme	12 No		Seco	I and Pilot? No		
Seatbelt Used? Yes Shoulder Harness Used? Yes Toxicology Performed? No Second Pilot? No														
Flight Plan/Itinerary														
Type of Flight Plan Filed: Co	ompany VFI	 R												
Departure Point	. ,				;	State	Д	irport	Identifier	De	partur	e Time	Time Zone	
									4Z4 1215		AST			
Destination						State		irport	Identifier					
ANIAK AK PANI														
Type of Clearance: None							•							
Type of Airspace: Class	G													
Weather Information														
Source of Briefing:														
Method of Briefing:														
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National Transportation Safety Board
FACTUAL REPORT
AVIATION

NTSB ID: ANCOOLA033

Occurrence Date: 03/04/2000

AVIATION			Occurrence Type: Accident													
Weather	Information															
WOF ID	OF ID Observation Time Time Zone			WOF Elevation WOF Distance From Ac					From Ac	ccident Site		ccident Site				
	0000					0 Ft.	MSL				0 NM		0 Deg. Mag.			
Sky/Lowes	st Cloud Condition: U	Jnkno	own						0 F	. AGL	Condition of	Condition of Light: Day				
Lowest Ce	iling: Broken				600	00 Ft.	AGL	Visik	oility:	10	SM	Alti	Altimeter: "Hg			
Temperature: -9 °C Dew Point:						°C Wind Direction: Density Altitude								Ft.		
Wind Spee	ed:		Gusts:				Weat	her Cond	tions at	Accident	t Site: Visual (Cond	itions			
Visibility (F	RVR): 0	Ft.	Visibilit	y (RV\	/)	0	SM	Intensi	ty of Pre	cipitatior	n: Unknown					
Restrictions to Visibility: None																
Type of Precipitation: None																
Accident	Information															
Aircraft Damage:					Aircr	Aircraft Fire:					Aircraft Exp	Aircraft Explosion				
Classificati	on:															
- Injury Su	mmary Matrix		Fatal	Serio	ous	Mino	r	None	ТОТА	L						
First Pi	lot							1		1						
Second	d Pilot															
Studen	t Pilot															
Flight I	nstructor															
Check	Pilot															
Flight E	ngineer															
Cabin A	Attendants															
Other C	Crew															
Passen	igers															
- TOTAL A	ABOARD -							1		1						
Other 0	Ground		0		0		0			0						
- GRANE	TOTAL -		0		0		0	1		1						

National Transportation Safety Board

FACTUAL REPORT AVIATION NTSB ID: ANCOOLA033

Occurrence Date: 03/04/2000

Occurrence Type: Accident

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Investigator-In-Charge (IIC)

SCOTT ERICKSON

Additional Persons Participating in This Accident/Incident Investigation:

JACK SEYMOUR (FAA) 4510 W. INTERNATIONAL AIRPORT ANCHORAGE, AK 99502